

In the claims:

On amended page 12, cancel line 1, and substitute the following left-hand justified heading therefor:

We Claim as Our Invention:

5 Please cancel 1-18, without prejudice, and substitute the following claims therefor:

19. A passive microphone for wirelessly transmitting sound information to a receiving unit, comprising:

10 an antenna that receives an amount of electromagnetic excitation energy from the receiving unit; and

15 a piezoelectric device that is connected to the antenna for receiving and storing the electromagnetic excitation energy from the antenna such that at least one acoustic signal is detected and converted into at least one electrical signal which includes sound information, wherein the electrical signals are wirelessly transmitted via the antenna to the receiving unit.

20 20. A passive microphone as claimed in claim 19, wherein the piezoelectric device temporarily stores the electromagnetic excitation energy from the receiving unit in a form of mechanical vibrations.

21. A passive microphone as claimed in claim 19, wherein the piezoelectric device stores the electromagnetic excitation energy such that the piezoelectric device detects the at least one acoustic signal and converts it into the at least one electrical signal.

25 22. A passive microphone as claimed in claim 19, wherein the piezoelectric device comprises a piezoelectric diaphragm that has a surface acoustic wave resonant pattern.

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23. A passive microphone as claimed in claim 22, wherein the diaphragm is composed of a crystal.

24. A passive microphone as claimed in claim 22, wherein the diaphragm
5 is composed of lithiumniobate.

25. A passive microphone as claimed in claim 19, wherein the piezoelectric device comprises a surface acoustic wave delay line.

10 26. A passive microphone as claimed in claim 19, wherein the piezoelectric device comprises a first device for detecting the at least one acoustic signal and a second device for storing the electromagnetic excitation energy and converting the at least one acoustic signal into the at least one electrical signal.

15 27. A passive microphone as claimed in claim 26, wherein the first device comprises a diaphragm.

28. A passive microphone as claimed in claim 26, wherein the diaphragm is composed of a metal.

20 29. A passive microphone as claimed in claim 26, wherein the second device comprises a diaphragm that has a surface acoustic wave resonant structure.

25 30. A passive microphone as claimed in claim 26, wherein the second device comprises a surface acoustic wave delay line.

31. A passive microphone as claimed in claim 19, further comprising:
at least one additional piezoelectric device for detecting acoustic signals, wherein the piezoelectric device and the at least one additional piezoelectric

device are configured such that the detected acoustic signals are differentially converted into the electrical signals.

5 32. A passive microphone as claimed in claim 19, wherein the passive microphone further comprises a device that compensates for disturbance variables.

10 33. A passive microphone as claimed in claim 19, wherein the piezoelectric device receives the electromagnetic excitation energy from the receiving unit in a form of short high-frequency signals.

15 34. A passive microphone as claimed in claim 19, wherein the piezoelectric device receives the electromagnetic excitation energy from the receiving unit in a form of periodically repeated high-frequency signals.

20 35. A passive microphone as claimed in claim 19, wherein the piezoelectric device receives the electromagnetic excitation energy from the receiving unit in a form of excitation signals that have a large bandwidth-time product.

36. A passive microphone as claimed in claim 19, wherein the piezoelectric device receives the electromagnetic excitation energy from the receiving unit in a form of a continuous frequency-modulated excitation signal.